Refine Search

Search Results -

Terms	Documents
overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	1

Database:
US Pre-Grant Publication Full-Text Database
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Search: L1

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Search History

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Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB; PLUR=YES; OP=OR		
L1	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus same (detect$3 near3 collision)	9

Database:

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Search: L3

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Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L3	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus same (detect$3 near3 collision)	9	L3
L2	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	9	L2
DB=PGPB; PLUR=YES; OP=OR			
L1	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L6 and ((detect$3 near5 collision$1) same block$3)	8

Database:

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Search: L8

[Refine Search]

[Recall Text]   [Clear]   [Interrupt]

Search History

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Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L8	L6 and ((detect$3 near5 collision$1) same block$3)	8	L8
L7	L6 and (detect$3 near5 collision$1)	21	L7
L6	14 and L5	171	L6
L5	710/18,29-32,38,100,106,305;709/249,233,231,250,201,238;370/912,423,252,229-235;712/28-30.ccls.	14483	L5
L4	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus	2299	L4
L3	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus same (detect$3 near3 collision)	9	L3
L2	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	9	L2
DB=PGPB; PLUR=YES; OP=OR			
L1	overflow$3 same (data or infoimation) same bus same (detect$3 near3	1	L1

Freeform Search

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
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IBM Technical Disclosure Bulletins

Term: L6 and (detect$3 near5 collision$1)

Display: |10| **Documents in** **Display Format:** |-| **Starting with Number** |1|

Generate: ○ Hit List ◉ Hit Count ○ Side by Side ○ Image

[Search] [Clear] [Interrupt]

Search History

DATE: Tuesday, December 19, 2006   Purge Queries   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR		
L7	L6 and (detect$3 near5 collision$1)	21	L7
L6	l4 and L5	171	L6
L5	710/18,29-32,38,100,106,305;709/249,233,231,250,201,238;370/912,423,252,229-235;712/28-30.ccls.	14483	L5
L4	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus	2299	L4
L3	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus same (detect$3 near3 collision)	9	L3
L2	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	9	L2
	DB=PGPB; PLUR=YES; OP=OR		
L1	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(709/249 |709/233 |709/231 |709/250 |709/201 |709/238 |370/912 |370/423 |370/252 |370/229 |370/230 |370/230.1 |370/231 |370/232 |370/233 |370/234 |370/235 |712/28 |712/29 |712/30 |710/18 |710/29 |710/30 |710/31 |710/32 |710/38 |710/100 |710/106 |710/305).ccls.	14483

Database:
```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
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Search: L5

Refine Search

Recall Text   Clear   Interrupt

Search History

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| Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L5	710/18,29-32,38,100,106,305;709/249,233,231,250,201,238;370/912,423,252,229-235;712/28-30.ccls.	14483	L5
L4	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus	2299	L4
L3	(overflow$3 or (over adj1 flow$3)) same (data or infoimation) same bus same (detect$3 near3 collision)	9	L3
L2	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	9	L2
	DB=PGPB; PLUR=YES; OP=OR		
L1	overflow$3 same (data or infoimation) same bus same (detect$3 near3 collision)	1	L1

Freeform Search

Database:
```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Term:
```
L1 same (overflow$3 or (over adj1 flow$3)) same
collision same detection
```

Display: |10 | Documents in <u>Display Format:</u> |- | **Starting with Number** |1 |

Generate: ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

[Search] [Clear] [Interrupt]

Search History

DATE: Tuesday, December 19, 2006   <u>Purge Queries</u>   <u>Printable Copy</u>   <u>Create Case</u>

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L5</u>	L1 same (overflow$3 or (over adj1 flow$3)) same collision same detection	1	<u>L5</u>
<u>L4</u>	L1 same overflow$3 same collision same detection	1	<u>L4</u>
<u>L3</u>	L1 same overflow$3 same (collision near5 detection)	1	<u>L3</u>
<u>L2</u>	L1 same overflow$3 same (collision near5 detection)	5	<u>L2</u>
<u>L1</u>	(HDLC or (high adj1 level data adj1 link adj1 control$2) or ITU or ISDN) same protocol	25889	<u>L1</u>

END OF SEARCH HISTORY
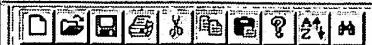
EAST - [Untitled1:1]

File View Edit Tools Window Help

- Drafts
- Pending
- **Active**
  - L1: (549) (overflow$3 or (
  - L2: (2) l1 same (detect$3
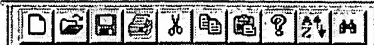- Failed
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- Favorites
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DBs USPAT   ☑ Plurals

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Err
1	BRS	L1	549	(overflow$3 or (over adj1 flow$3)) same (deta or	USPAT	2006/12/19 14:07			
2	BRS	L2	2	l1 same (detect$3 near4 collision$1)	USPAT	2006/12/19 14:08			

Start | EAST - [Un...

EAST - [Untitled1:1]

File   View   Edit   Tools   Window   Help

Drafts
Pending
Active
  L1: (549) (overflow$3 or (
  L2: (2) l1 same (detect$3
Failed
Saved
Favorites
Tagged (0)
UDC
Queue

Search   List   Browse   Queue   Clear

DBs   USPAT   ☑ Plurals
Default operator: OR   ☑ Highlight all hit terms initially

l1 same (detect$3 near4 collision$1)

BRS form   IS&R form   Image   Text   HTML

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	R
1	☐	☐	US 5742786 A	19980421	265	Method and apparatus for storing vector data in	711/217		
2	☐	☐	US 5572689 A	19961105	265	Data processing system and method thereof	712/200		

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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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((overflow*<in>metadata) <and> (collision<in>metadata))<and> (bus<in>metada   **Search**

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
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▢   1. **Interaction Between Hidden Node Collisions and Congestions in Multihoｐ hoc Networks**
Khalife, H.; Malouch, N.;
<u>Communications, 2006 IEEE International Conference on</u>
Volume 9, June 2006 Page(s):3947 - 3952
Digital Object Identifier 10.1109/ICC.2006.255698

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Attouche, S.; Hayat, S.; Staroswiecki, M.;
<u>Intelligent Transportation Systems, 2000. Proceedings. 2000 IEEE</u>
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Csibi, S.; Gyorfi, L.;
<u>Spread Spectrum Techniques and Applications Proceedings, 1996., IEEE 4th ｌ Symposium on</u>
Volume 3, 22-25 Sept. 1996 Page(s):1123 - 1127 vol.3
Digital Object Identifier 10.1109/ISSSTA.1996.563480

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▢   4. **An adaptive random access protocol for the collision channel without ret**
Thomas, G.; Champagne, S.; Miller, J.;
<u>Southeastcon '90. Proceedings., IEEE</u>
1-4 April 1990 Page(s):322 - 325 vol.1
Digital Object Identifier 10.1109/SECON.1990.117826

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Shin, K.G.; Yi-Chieh Chang;
<u>Computers, IEEE Transactions on</u>
Volume 44, Issue 5, May 1995 Page(s):669 - 682

Digital Object Identifier 10.1109/12.381952

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6. **Contention-free communication scheduling on 2D meshes**
Eberhart, A.; Jingke Li;
Parallel Processing, 1996., Proceedings of the 1996 International Conference
Volume 1, 12-16 Aug. 1996 Page(s):44 - 51 vol.1
Digital Object Identifier 10.1109/ICPP.1996.537142

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7. **Registration based multiple access with statistical TDMA in microcellular**
Kanghoon Lee; Shin, J.G.; Chakravarthy, C.V.;
Circuits and Systems, 1995., Proceedings., Proceedings of the 38th Midwest S
Volume 1, 13-16 Aug. 1995 Page(s):530 - 533 vol.1
Digital Object Identifier 10.1109/MWSCAS.1995.504493

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8. **A Multiaccess Model for Packet Switching with a Satellite Having Some P Capability**
Ng, S.; Mark, J.;
Communications, IEEE Transactions on [legacy, pre - 1988]
Volume 25, Issue 1, Jan 1977 Page(s):128 - 135

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Tasaka, S.;
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Takanashi, H.; Kayama, H.; Iizuka, M.; Morikura, M.;
Communications, 1998. ICC 98. Conference Record.1998 IEEE International (
Volume 3, 7-11 June 1998 Page(s):1622 - 1626 vol.3
Digital Object Identifier 10.1109/ICC.1998.683103

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11. **A flow control framework for improving throughput and energy efficiency based wireless multihop networks**
Pathmasuntharam, J.S.; Das, A.; Mohapatra, P.;
World of Wireless, Mobile and Multimedia Networks, 2006. WoWMoM 2006. Ir Symposium on a
26-29 June 2006 Page(s):7 pp.
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Registration based multiple access with statistical TDMA microcellular environment

Kanghoon Lee   Shin, J.G.   Chakravarthy, C.V.
Dept. of Electr. Eng. & Comput. Sci., Stevens Inst. of Technol., Hoboken, NJ, USA;

Abstract

We propose a pre-registration based packet reservation multiple access method (Regi-PI digital micro cellular environment. With registration, **collisions** and **overflow** of informati reduced in heavy traffic conditions. Reservation for speech terminals precedes informatic Voice activity factor is applied to the Regi-PMA to maximize channel utilization over the d a service area

Index Terms
Inspec

Controlled Indexing
cellular radio   packet reservation multiple access   telecommunication congestio
time division multiple access

Non-controlled Indexing
heavy traffic conditions   information channel **collisions**   information channel ov
information channel setup   microcellular environment   preregistration based pac
reservation multiple access   registration based multiple access   speech termina
statistical TDMA   voice activity factor

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References

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Registration based multiple access with statistical TDMA in microcellular environment

Kanghoon Lee   Shin, J.G.   Chakravarthy, C.V.
Dept. of Electr. Eng. & Comput. Sci., Stevens Inst. of Technol., Hoboken, NJ, USA;

Abstract
We propose a pre-registration based packet reservation multiple access method (Regi-PMA) for use in a a digital micro cellular environment. With registration, collisions and overflow of information channels are reduced in heavy traffic conditions. Reservation for speech terminals precedes information channel setup. Voice activity factor is applied to the Regi-PMA to maximize channel utilization over the distributed terminals in a service area

Index Terms
Inspec

Controlled Indexing
cellular radio   packet reservation multiple access   telecommunication congestion control
time division multiple access

Non-controlled Indexing
heavy traffic conditions   information channel **collisions**   information channel **overflow**
information channel setup   microcellular environment   preregistration based packet
reservation multiple access   registration based multiple access   speech terminal reservation
statistical TDMA   voice activity factor

Author Keywords